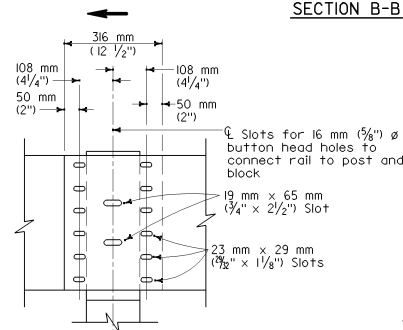
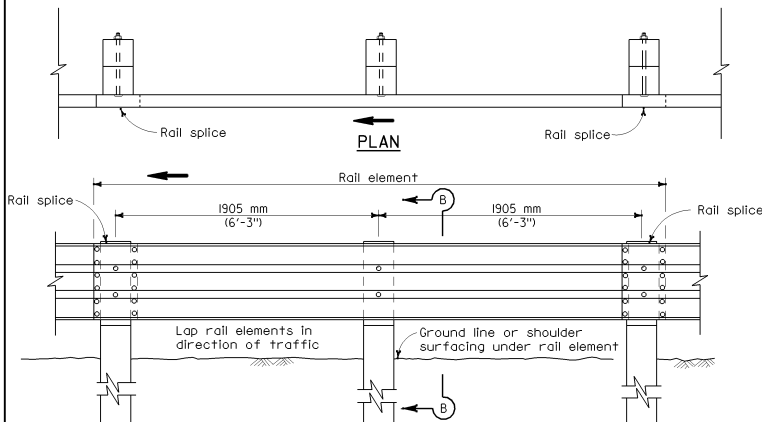
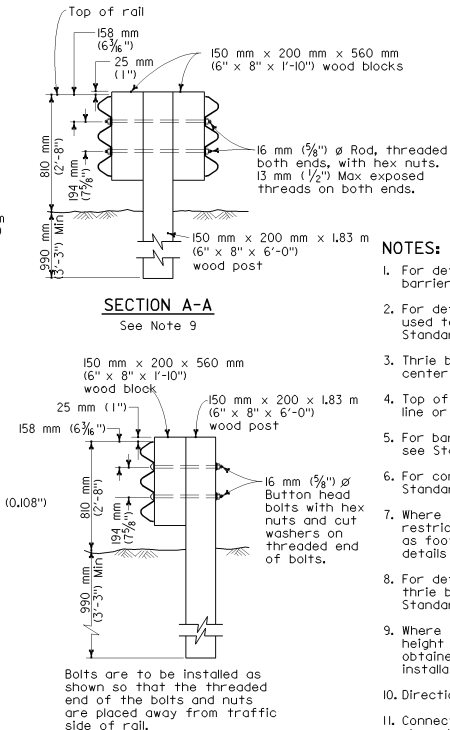


SECTION THRU RAIL ELEMENT



RAIL ELEMENT SPLICE DETAIL



SECTION B-B

DIST	COUNTY	ROUTE	KILOMETER POST NO.	SHEET TOTAL SHEETS
Ellis K. Wirst REGISTERED CIVIL ENGINEER No. 417926 State of California July 1, 2002 PLANS APPROVAL DATE The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet. Caltrans now has a web site! To get to the web site, go to http://www.dot.ca.gov				

NOTES:

- For details of steel post with wood block thrie beam barrier, see Standard Plan A78B.
- For details of standard hardware, post and blocks used to construct thrie beam barrier, see Standard Plan A78C.
- Thrie beam barrier post spacing to be 1905 mm (6'-3") center to center, except as otherwise noted.
- Top of barrier rail to be 810 mm (32") above ground line or shoulder surfacing under the rail element.
- For barrier end treatments and barrier connections, see Standard Plans A78E, A78EA, A78F and A78G.
- For connection to Concrete Barrier (Type 60), see Standard Plan A78I.
- Where standard embedment of barrier post is restricted by underground concrete facilities such as footing of walls, columns, etc., use post footing details on Standard Plan A77F.
- For details of thrie beam barrier on bridge and thrie beam barrier at fixed object, see Standard Plan A78D.
- Where offset roadway grades are encountered and height of rail element for each roadway cannot be obtained as shown in Section A-A, use saw tooth installation as shown on Standard Plan A78B.
- Direction of traffic indicated by .
- Connect the overlapped ends of the thrie beam rail elements with 16 mm Ø x 35 mm (5/8" Ø x 1 3/8") button head oval shoulder bolts inserted into the 23 mm x 29 mm (7/8" x 1 1/8") slots and bolted together with 16 mm Ø x 35 mm (5/8" Ø x 1 3/8") recessed hex nuts. A total of 12 bolts and nuts are to be used at each rail splice connection. The ends of the rail elements are to be overlapped in the direction of traffic (see details). Where a terminal section is to be attached to the end of a rail element, a total of 4 of the above described splice bolts and nuts are to be used. Where a return section is to be attached to the ends of rail elements, a total of 8 of the above described splice bolts and nuts are to be used.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**THRIE BEAM BARRIER
TYPICAL WOOD POST
WITH WOOD BLOCK**

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses (). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" of the beginning of this publication.

NO SCALE

A78A